CLAIM AMENDMENTS

Before claim 1, please change Claims: to WHAT IS CLAIMED IS:

- 1. (Currently Amended) A process for recovery of plant
 2 sterols and tocopherols from deodorization distillates formed during
 3 chemical or physical refining of vegetable oils, by distillation or
 4 saponification of the components present, characterized in that
 5 which comprises the steps of
- i) removing free fatty acids are removed from the
 deodorization distillate by vacuum distillation or by continuous
 solvent saponification to obtain a material comprising sterols,
 tocopherols, hydrocarbons, mono-, di- and triglycerides as main
 components,
- ii) after the removal of the free fatty acids, reacting
 the received obtained material consisting of comprising sterols,
 tocopherols, hydrocarbons, mono-, di- and triglycerides as main
 components is reacted with an aromatic carboxylic acid anhydride
 having at least 7 carbon atoms at a temperature of 50 150°C, under
 reduced pressure during over 0.5 2 hours,
- iii) after the treatment with anhydride, <u>removing</u>
 tocopherols are removed from the <u>reaction</u> mixture <u>of step ii)</u> by
 applying short-path distillation, <u>and</u>
- iv) <u>recovering</u> crystalline free sterols are recovered from
 the distillate residue containing sterol esters, di- and
 triglycerides by transesterification.

Atty's 23154

Pat. App. 10/519,769

- 2. (Currently amended) The process according to claim 1,

 characterized in that the raw material wherein the deodorization

 distillate is a deodorization distillate received obtained during

 refining of sunflower, rapeseed, soybean and corn oil.
- 3. (Currently amended) The process according to claim 1i)

 characterized in that wherein the free fatty acids are distilled in

 a distillation column or in a film evaporator at a pressure of 0.1-8

 mbar at temperatures ranging from 180 to 250°C.
- 4. (Currently amended) The process according to claim 1i)
 wherein the free fatty acids are saponified in a medium of
 polar/apolar solvents at 10-40°C temperature, during over 0.5-5
 minutes in presence of a slight excess of alkali, and the free fatty
 acids are removed by separating the polar phase.
- 5. (Currently amended) The process according to claim 1ii)

 characterized in that wherein a benzoic, benzyl, phenoxyacetic,

 phthalic, or substituted phthalic acid anhydride is applied as

 carboxylic acid anhydride.

- 6. (Currently amended) The process according to claim
 lii) and 5 characterized in that wherein the anhydrides are applied
 in an excess limited to 5 mol% over the amount of sterols determined
 by gas chromatographic analysis.
- 7. (Currently amended) The process according to claim
 2 liii) characterized in that wherein the short path distillation of
 3 tocopherols is performed at 0.01 0.1 bar pressure applying 200 4 260°C.
- 8. (Currently amended) The process according to claim
 liv) characterized in that wherein the sterols are recovered from
 the 20-60 weight% sterol-ester containing residue of tocopherol
 distillation, applying transesterification, preferably in presence
 of sodium methylate catalyst.
- 9. (Currently amended) The process according to claim 8

 characterized in that wherein during said transesterification of

 sterol esters, the distillation residue rich in sterol esters is

 added continuously to [[the]] a refluxed sodium methylate solution

 and the reaction is made complete within 2-4 hours.

10. (Canceled)